Title: METHOD AND SYSTEM FOR DYNAMIC REMAPPING OF IP PACKETS IN A ROUTER Inventor: Outi Hiironniemi Docket No: M&G 50072.4US01/NC16407

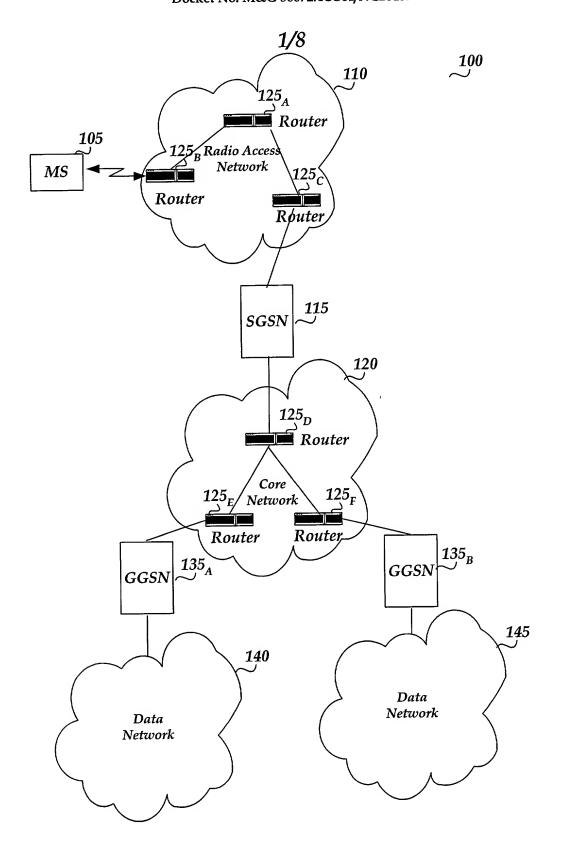
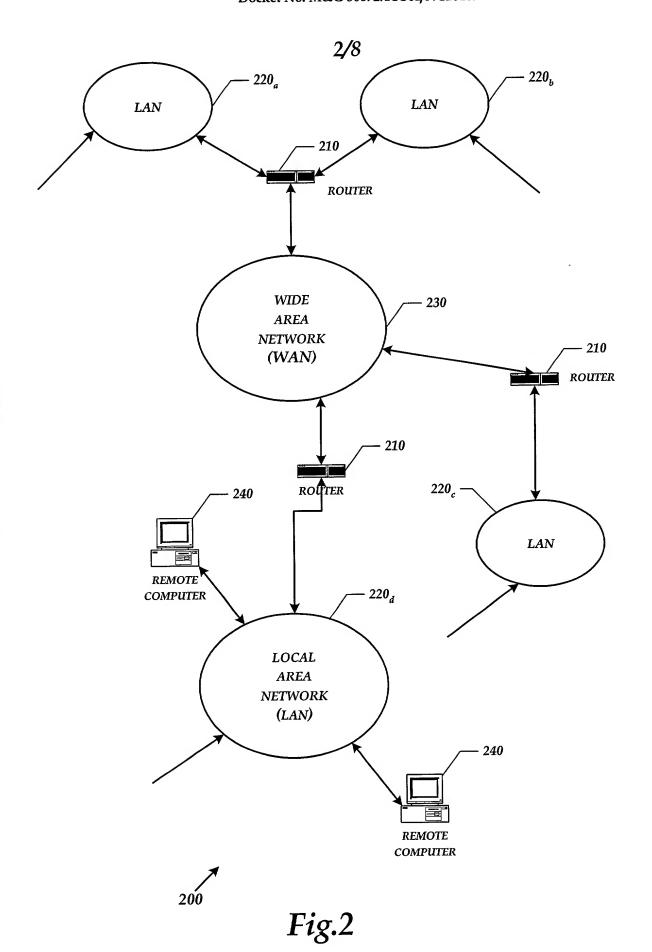


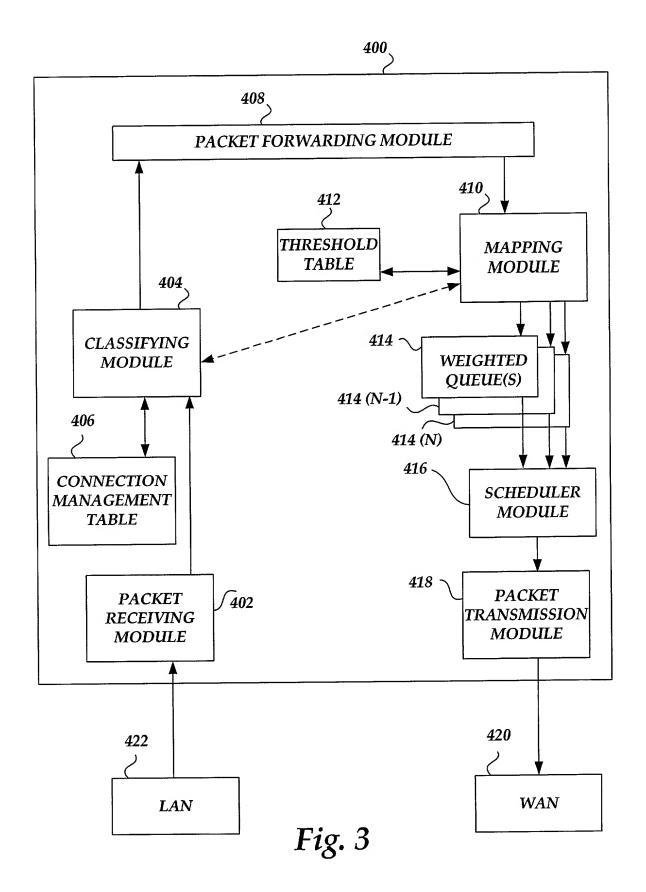
Fig.1

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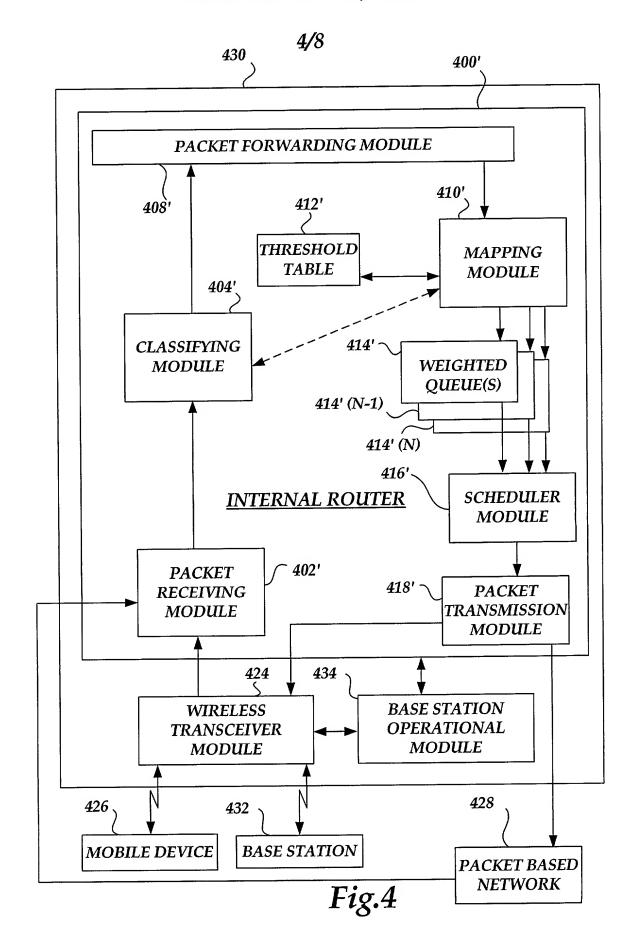


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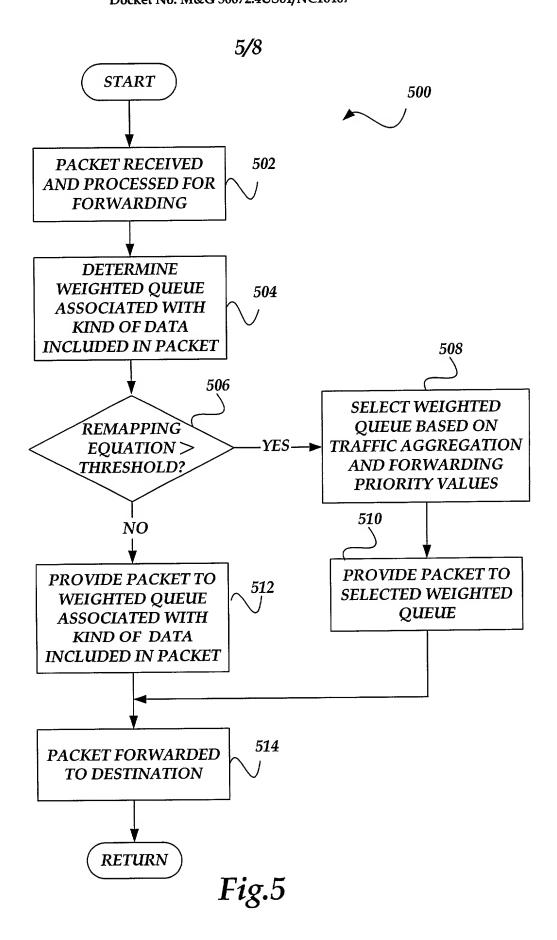
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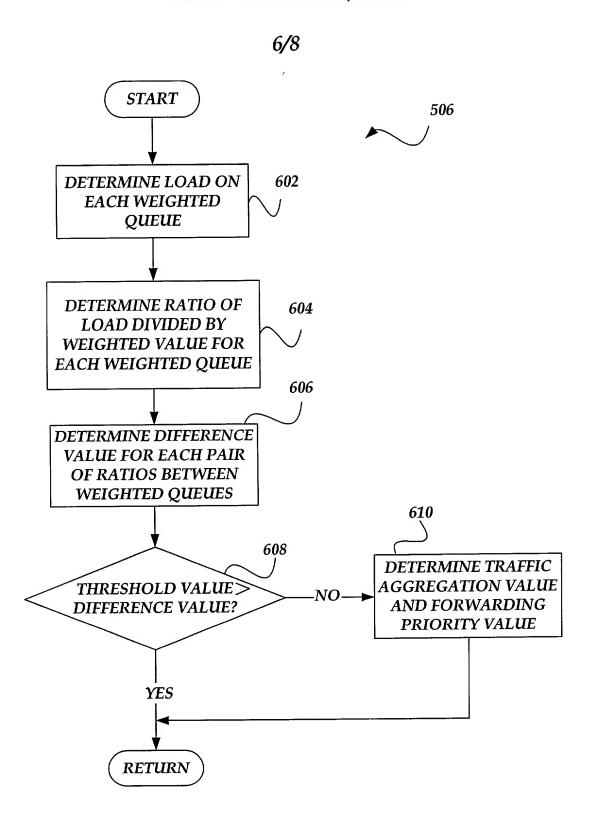


Fig.6



$$\frac{L_1}{w_1} - \frac{L_2}{w_2} > R_{threshold}$$
 THEN

IF (T(X) = 1 AND F(X) = 2) THEN

MAP THE PACKET TO QUEUE 1

ELSE

MAP THE PACKET TO QUEUE 2

REMAPPING EQUATION 1

Fig. 7

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	COMMENT					CONFIGURATION VALUE, GREATER THAN ZERO	WHEN $T(X) = 1$, PACKET X IS MAPPED TO QUEUE 1; WHEN $T(X) = 2$, PACKET X IS MAPPED TO QUEUE 2	WHEN F(X) = 1, PACKET X HAS HIGH FORWARDING PRIORITY; WHEN F(X) = 2, PACKET X HAS LOW FORWARDING PRIORITY	
	NAME	LOAD IN QUEUE 1	LOAD IN QUEUE 2	WEIGHT FOR QUEUE 1	WEIGHT FOR QUEUE 2	REMAPPING THRESHOLD	TRAFFIC AGGREGATE TYPE OF PACKET X	FORWARDING PRIORITY OF PACKET X	
	SYMBOL	L1	L_2	Wı	W2	Rthreshold	T(X)	F(X)	

Fig. 8